09-18-00   DISK/A

Please type a plus sign (+) inside this box ——— [+]

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53 (b))

Attorney Docket No.	38-21(51376)B
First Named Inventor or Application Identifier	Corbin, David R.
Title	BACILLUS THURINGIENSIS CHROMOSOMAL GENOME SEQUENCES AND USES THEREOF
Express Mail Label No.	EK016827222US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. [X] *Fee Transmittal Form (Form PTO-1082)
   (Submit an original and a duplicate for fee processing)

2. [X] Specification   [Total Pages 312]
   (preferred arrangement set forth below)
   - Descriptive title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R and D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings (if filed)
   - Detailed Description
   - Claims
   - Abstract of the Disclosure

3. [ ] Drawing(s) (35 USC 113)   [Total Sheets   ]

4. Oath or Declaration   [Total Pages   ]
   a. [ ] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 CFR 1.63(d))
      (for continuation/divisional with Box 17 completed
      [Note Box 5 below]
      i. [ ] **DELETION OF INVENTOR(S)**
         Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

5. [ ] Incorporation By Reference   *(useable if Box 4b is checked)*
   The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. [ ] Microfiche Computer Program   *(Appendix)*

7. Nucleotide and/or Amino Acid Sequence Submission
   (if applicable, all necessary)
   a. [X] Computer Readable Copy
   b. [ ] Paper Copy (identical to computer copy)
   a. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. [ ] Assignment Papers (cover sheet document(s))

9. [ ] 37 CFR 3.73(b) Statement   [ ] Power of Attorney
   (when there is an assignee)

10. [ ] English Translation Document   *(if applicable)*

11. [ ] Information Disclosure Statement (IDS)/PTO-1449   [ ] Copies of IDS Citations

12. [ ] Preliminary Amendment

13. [X] Return Receipt Postcard (MPEP 503) (Two)
    (should be specifically itemized)

14. [ ] *Small Entity Statement(s)   [ ] Statement filed in prior application, status still proper and desired

15. [ ] Certified Copy of Priority Document (s)
    (if foreign priority is claimed)

16. [ ] Other:

*NOTE FOR ITEMS 1 and 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. §1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. §1.28).

If a CONTINUING APPLICATION, *check appropriate box and supply the requisite information:*

17. [ ] Continuation   [ ] Divisional   [ ] Continuation-in-part (CIP)   of prior application No:
Prior Application Information: Examiner: Group/Art Unit:

18. CORRESPONDENCE ADDRESS

[ ] Customer Number or Bar Code Label   or [X] Correspondence address below
(Insert Customer No. or attach Bar Code Label here)

NAME	Timothy K. Ball, PhD
ADDRESS	Patent Department, E2NA; Monsanto Company, 800 N. Lindbergh Boulevard
CITY	St. Louis	STATE	Missouri	ZIP CODE	63167
COUNTRY	US	TELEPHONE	(314) 737-7387	FAX	(314) 737-6047

Name (Print/Type)	Timothy K. Ball, PhD	Registration No.	42287
Signature	Timothy K. Ball, PhD	Date:	Sept. 15, 2000

by (Jian S. Zhou) Reg. No. 41,422

FEE TRANSMITTAL
for FY 1999

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	David R. Corbin
Examiner Name	To Be Assigned
Group / Art Unit	
Attorney Docket No.	38-21(51376)B

TOTAL AMOUNT OF PAYMENT ($) 1,906.00

U.S. PTO 09/663779 09/15/00 25

METHOD OF PAYMENT (check one)

1. [X] The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 13-4125

Deposit Account Name:

[X] Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. [ ] Payment Enclosed:
[ ] Check [ ] Money Order [ ] Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	690.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) ($) 690.00

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	50 -20** = 30	X 18	= 540
Independent Claims	10 - 3** = 7	X 78	= 546
Multiple Dependent			= 0

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 1,086.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	0.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	0.00
139	130	139	130	Non-English specification	0.00
147	2,520	147	2,520	For filing a request for reexamination	0.00
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	0.00
115	110	215	55	Extension for reply within first month	0.00
116	380	216	190	Extension for reply within second month	0.00
117	870	217	435	Extension for reply within third month	0.00
118	1,360	218	680	Extension for reply within fourth month	0.00
128	1,850	228	925	Extension for reply within fifth month	0.00
119	300	219	150	Notice of Appeal	0.00
120	300	220	150	Filing a brief in support of an appeal	0.00
121	260	221	130	Request for oral hearing	0.00
138	1,510	138	1,510	Petition to institute a public use proceeding	0.00
140	110	240	55	Petition to revive - unavoidable	0.00
141	1,210	241	605	Petition to revive - unintentional	0.00
142	1,210	242	605	Utility issue fee (or reissue)	0.00
143	430	243	215	Design issue fee	0.00
144	580	244	290	Plant issue fee	0.00
122	130	122	130	Petitions to the Commissioner	130.00
123	50	123	50	Petitions related to provisional applications	0.00
126	240	126	240	Submission of Information Disclosure Stmt	0.00
581	40	581	40	Recording each patent assignment per property (times number of properties)	0.00
146	760	246	380	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00
149	760	249	380	For each additional invention to be examined (37 CFR § 1.129(b))	0.00
				Other fee (specify) _____	0.00
				Other fee (specify) _____	0.00

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 130.00

SUBMITTED BY

			Complete (if applicable)	
Name (Print/Type)	Jian S. Zhou	Registration No. (Attorney/Agent)	41,422	Telephone	314-694-8908
Signature				Date	Sept. 15, 2000

Express Mail Label No. EK016827222US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

David R. Corbin *et al.*

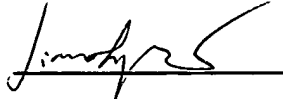|	
Appln. No.: To Be Assigned	Art Unit: To Be Assigned
Filed:	Examiner: To Be Assigned
For: ***Bacullus thuringiensis Chromosomal Genome Sequences and Uses thereof***	Atty. Docket: 38-21(51376)B

I hereby verify this transmittal together with the patent application referred to below is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 Express Mail Label No. EK016827222US on the date indicated and is addressed to: Commissioner for Patents, Washington, D.C. 20231

Jian S. Zhou   Registration No. 41, 422

Date: Sept. 15, 2000

TRANSMITTAL OF NON-PROVISIONAL PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the complete patent application of :

BACILLUS THURINGIENSIS CHROMOSOMAL GENOME SEQUENCES AND USES THEREOF

Inventors: David R. CORBIN
             Thomas M. Malvar
             Hridayabhiranjan Shukla

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1.   Utility Patent Application Transmittal (PTO/SB/05);

2.   Form PTO-1082 (in duplicate);

D   t No. 38-21(51376)B
Inventors: David R. Corbin et al.
Page 2

3.   U.S. Utility Patent Application entitled:

BACILLUS THURINGIENSIS CHROMOSOMAL GENOME SEQUENCES AND USES THEREOF

and naming as inventors:

David R. CORBIN, Thomas M. MALVAR, and Hridayabhiranjan SHUKLA
the application consisting of:

    a.   A specification containing:

        (i)   __304__ pages of a description prior to the claims;

        (ii)   __7__ pages of claims (50 claims); and

        (iii)   a one (1) page abstract;

4.   A CD-ROM containing the Sequence Listing;

5.   Petition to Suspend Sequence Rules (in duplicate); and

6.   Two (2) return postcards.

It is respectfully requested that the two attached prepaid postcards be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,

Timothy K. Ball, PhD Esq (Reg. No. 42,287)
Jian S. Zhou, PhD (Reg. No. 41,422)

Enclosures

Date: _Sept. 15, 2000_

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